

GenCore version 5.1.4.D5.4578  
Copyright (c) 1993 - 2003 Compugen Ltd.

## OM nucleic - nucleic search, using sw model

Run on: May 9, 2003, 11:55:55 ; Search time 36 Seconds  
(without alignments)  
3731.234 Million cell updates/sec

Title: US-09-409-800B-3\_COPY\_2389\_2826  
Perfect score: 438  
Sequence: 1 gcaaaaacagagaccacg.....ttagatcgcagactcttg 438

Scoring table: IDENTITY NUC  
Gapop 10.0, Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 08  
Maximum Match 1008  
Listing first 45 summaries

## Database :

Issued Patents.NA:\*  
1: /cgn2.6/ptodata/1/ina/5A.COMB.seq:\*  
2: /cgn2.6/ptodata/1/ina/5B.COMB.seq:\*  
3: /cgn2.6/ptodata/1/ina/6A.COMB.seq:\*  
4: /cgn2.6/ptodata/1/ina/6B.COMB.seq:\*  
5: /cgn2.6/ptodata/1/ina/PTCNS.COMB.seq:\*  
6: /cgn2.6/ptodata/1/ina/ackfileseq1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	353.4	80.7	733	US-09-025-769B-271	Sequence 271, App
C 2	353.4	80.7	1947	US-09-025-769B-264	Sequence 264, App
C 3	353.4	80.7	2755	US-07-916-098A-7	Sequence 7, Appl
C 4	353.4	80.7	2755	US-09-025-769B-274	Sequence 274, App
C 5	353.4	80.7	2961	US-08-446-935-6	Sequence 6, Appl
C 6	353.4	80.7	3190	US-09-027-165-6	Sequence 6, Appl
C 7	353.4	80.7	3266	US-08-737-316A-2	Sequence 2, Appl
C 8	353.4	80.7	3307	US-09-401-171C-11	Sequence 11, Appl
C 9	353.4	80.7	3343	5453363-2	Patent No. 5453363
C 10	353.4	80.7	3418	US-08-944-916-12	Sequence 12, Appl
C 11	353.4	80.7	3516	US-09-058-483-9	Sequence 9, Appl
C 12	353.4	80.7	3504	US-09-235-246-20	Sequence 20, Appl
C 13	353.4	80.7	3664	US-08-148-675A-1	Sequence 1, Appl
C 14	353.4	80.7	3699	US-08-053-131-120	Sequence 120, App
C 15	353.4	80.7	3699	US-08-643-641-120	Sequence 120, App
C 16	353.4	80.7	3699	US-07-853-408B-120	Sequence 120, App
C 17	353.4	80.7	3699	US-08-096-762-120	Sequence 120, App
C 18	353.4	80.7	3699	US-08-308-865-120	Sequence 120, App
C 19	353.4	80.7	3699	US-08-646-538-6	Sequence 6, Appl
C 20	353.4	80.7	3699	US-09-503-222-6	Sequence 6, Appl
C 21	353.4	80.7	3699	PCT-US92-10983-120	Sequence 120, App
C 22	353.4	80.7	3705	US-09-282-996-3	Sequence 3, Appl
C 23	353.4	80.7	3737	US-08-784-208-1	Sequence 1, Appl
C 24	353.4	80.7	3799	US-09-173-053-4	Sequence 4, Appl
C 25	353.4	80.7	3803	US-07-640-476-1	Sequence 1, Appl
C 26	353.4	80.7	3819	US-09-042-353-393	Sequence 393, App
C 27	353.4	80.7	3819	US-08-758-417A-243	Sequence 243, App

C 28	353.4	80.7	3832	US-08-148-675A-2	Sequence 2, Appl
C 29	353.4	80.7	3881	US-09-042-353-369	Sequence 369, App
C 30	353.4	80.7	3881	US-08-758-417A-217	Sequence 217, App
C 31	353.4	80.7	3974	US-09-026-343-33	Sequence 33, Appl
C 32	353.4	80.7	3974	US-09-042-105-16	Sequence 16, Appl
C 33	353.4	80.7	3974	US-09-044-856A-7	Sequence 7, Appl
C 34	353.4	80.7	3974	US-09-023-082A-147	Sequence 147, App
C 35	353.4	80.7	3974	US-09-044-855A-7	Sequence 7, Appl
C 36	353.4	80.7	3974	US-09-078-670-4	Sequence 4, Appl
C 37	353.4	80.7	3974	US-09-026-408-13	Sequence 13, Appl
C 38	353.4	80.7	3974	US-09-362-871-33	Sequence 33, Appl
C 39	353.4	80.7	3983	US-09-627-154-4	Sequence 4, Appl
C 40	353.4	80.7	3983	US-09-481-049-1	Sequence 1, Appl
C 41	353.4	80.7	3984	US-09-044-796A-10	Sequence 10, Appl
C 42	353.4	80.7	3984	US-09-725-160A-10	Sequence 10, Appl
C 43	353.4	80.7	3987	US-09-082-649B-83	Sequence 83, Appl
C 44	353.4	80.7	3987	US-09-082-649B-84	Sequence 84, Appl
C 45	353.4	80.7	4009	US-08-152-483B-6	Sequence 6, Appl

## ALIGNMENTS

RESULT 1  
US-09-025-769B-271/c  
Sequence 271, Application US/09025769B  
Patent No. 6300064  
GENERAL INFORMATION:  
APPLICANT: Knappik, Achim  
APPLICANT: Pack, Peter  
APPLICANT: Ila9, Vlc  
APPLICANT: Ge, Liming  
APPLICANT: Moroney, Simon  
APPLICANT: Plueckhuhn, Andreas  
TITLE OF INVENTION: Protein/(Poly)peptide libraries  
NUMBER OF SEQUENCES: 373  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: James F. Haley, Jr., Esq. c/o Fish & Neave  
STREET: 1251 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10021  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30 (ERO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/025,769B  
FILING DATE: 18-FEB-1998  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP 95 11 3021.0  
FILING DATE: 18-AUG-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: James F. Haley, Jr., Esq.  
REGISTRATION NUMBER: 27,794  
REFERENCE/DOCKET NUMBER: MORPHO/5  
TELEPHONE: (212)596-9090  
TELEFAX: (212)596-9090  
INFORMATION FOR SEQ ID NO: 271:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 733 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "synthetic DNA cassette"  
US-09-025-769B-271  
Query Match 80.7%; Score 353.4; DB 4; Length 733;  
Best Local Similarity 94.4%; Pred. No. 1e-108;

Matches 388; Conservative 0; Mismatches 21; Indels 2; Gaps 2;

```
QY 1 GGAAGAAAGCAAGACCCAGAAAGGCGCCGAGAGCGCTTTTTCATAGCTCCGCC 60
Db 709 GGAAGAAAGCAAGACCCAGAAAGGCGCGGTGTGCTGCG-TTTTTCATAGGCTCCGCC 651
QY 61 CCCCTGAGAGCATCAAAAATGAGAGCTCAAGTCAAGAGTGCCAAACCCGACAGAG 120
Db 650 CCCCTGAGAGCATCAAAAATGAGAGCTCAAGTCAAGAGTGCCAAACCCGACAGAG 591
QY 121 T-TAAGATACAGAGCGCTTTCCCGGAGAGCTCCCTGTGCGCTCTCTGTCCAGCC 179
Db 590 TATTAAGATACAGAGCGCTTTCCCGGAGAGCTCCCTGTGCGCTCTCTGTCCAGCC 531
QY 180 TCCGCTTACCGGATACCTTCACGCTTCTCTCTGCGGAGAGCGAGCGCTTCTCAT 239
Db 530 TCCGCTTACCGGATACCTTCACGCTTCTCTCTGCGGAGAGCGAGCGCTTCTCAT 471
QY 240 GCTACGCTGTGTGTATCTCATCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 299
Db 470 GCTACGCTGTGTGTATCTCATCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 411
QY 300 ACGAAGCCCGCTTACGCGGACACACCTTATCCGCTTACCTATCTGTGTGTGTGTGT 359
Db 410 ACGAAGCCCGCTTACGCGGACACACCTTATCCGCTTACCTATCTGTGTGTGTGTGT 351
QY 360 ACCCGTAAAGACAGACTTACGCACTGCGAGAGCGCATTTGTAAGTGA 410
Db 350 ACCCGTAAAGACAGACTTATCCGCACTGCGAGAGCGCATTTGTAAGTGA 300
```

## RESULT 2

US-09-025-769B-264/C  
Sequence 264, Application US/09025769B  
Patent No. 6300064

## GENERAL INFORMATION:

APPLICANT: Knappik, Achim  
APPLICANT: Pack, Peter  
APPLICANT: Ilag, Vic  
APPLICANT: Ge, Liming  
APPLICANT: Moroney, Simon  
APPLICANT: Plueckthum, Andreas  
TITLE OF INVENTION: Protein/(Poly)peptide Libraries  
NUMBER OF SEQUENCES: 373  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: James F. Haley, Jr., Esq. c/o Fish & Neave  
STREET: 1251 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10021

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/025,769B  
FILING DATE: 18-FEB-1998  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP 95 11 3021.0  
FILING DATE: 18-AUG-1995

## ATTORNEY/AGENT INFORMATION:

NAME: James F. Haley, Jr., Esq.  
REGISTRATION NUMBER: 27,794  
REFERENCE/DOCKET NUMBER: MORPHO/5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)596-9000  
TELEFAX: (212)596-9090

## INFORMATION FOR SEQ ID NO:

264:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1947 base pairs  
type: nucleic acid

STRANDEDNESS: double

TOPOLOGY: circular

MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "synthetic vector"

FEATURE:

NAME/KEY: CDS

LOCATION: 132..989

OTHER INFORMATION: /product= "Amp resistance"

US-09-025-769B-264

## Query Match

Best Local Similarity 94.4%; Score 353.4; DB 4; Length 1947;  
Pred. Loc. 1.6e-108; Mismatches 21; Indels 2; Gaps 2;

```
QY 1 GGAAGAAAGCAAGACCCAGAAAGGCGCCGAGAGCGCTTTTTCATAGCTCCGCC 60
Db 1793 GGAAGAAAGCAAGACCCAGAAAGGCGCGGTGTGCTGCG-TTTTTCATAGGCTCCGCC 1735
QY 61 CCCCTGAGAGCATCAAAAATGAGAGCTCAAGTCAAGAGTGCCAAACCCGACAGAG 120
Db 1734 CCCCTGAGAGCATCAAAAATGAGAGCTCAAGTCAAGAGTGCCAAACCCGACAGAG 1675
QY 121 T-TAAGATACAGAGCGCTTTCCCGGAGAGCTCCCTGTGCGCTCTCTGTCCAGCC 179
Db 1674 TATTAAGATACAGAGCGCTTTCCCGGAGAGCTCCCTGTGCGCTCTCTGTCCAGCC 1615
QY 180 TCCGCTTACCGGATACCTTCACGCTTCTCTCTGCGGAGAGCGAGCGCTTCTCAT 239
Db 1614 TCCGCTTACCGGATACCTTCACGCTTCTCTCTGCGGAGAGCGAGCGCTTCTCAT 1555
QY 240 GCTACGCTGTGTGTATCTCATCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 299
Db 1554 GCTACGCTGTGTGTATCTCATCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1495
QY 300 ACGAAGCCCGCTTACGCGGACACACCTTATCCGCTTACCTATCTGTGTGTGTGTGT 359
Db 1494 ACGAAGCCCGCTTACGCGGACACACCTTATCCGCTTACCTATCTGTGTGTGTGTGT 1435
QY 360 ACCCGTAAAGACAGACTTACGCACTGCGAGAGCGCATTTGTAAGTGA 410
Db 1434 ACCCGTAAAGACAGACTTATCCGCACTGCGAGAGCGCATTTGTAAGTGA 1384
```

## RESULT 3

US-07-916-098A-7  
Sequence 7, Application US/07916098A  
Patent No. 5871732

## GENERAL INFORMATION:

APPLICANT: BURKLY, LINDA C.  
APPLICANT: CHISHOLM, PATRICIA L.  
APPLICANT: THOMAS, DAVID W.  
APPLICANT: ROSA, MARGARET D.  
APPLICANT: ROSA, JOSEPH J.  
TITLE OF INVENTION: ANTI-CD4 ANTIBODY HOMOLOGS USEFUL IN  
NUMBER OF SEQUENCES: 61  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: ALLEGRETTI & WITCOFF, LTD.  
STREET: 10 SOUTH WACKER DRIVE  
CITY: CHICAGO  
STATE: ILLINOIS  
COUNTRY: U.S.A.  
ZIP: 60606

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WORD PERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/916,098A  
FILING DATE: July 24, 1992  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:





121 T-TAAAGATACCAGCGTTTCCCCCGGAAGCTCCCTCGTGGCTCTCCTGTCCGACC 179

22    ACCCGGATAGACACGCACTTAAAGCCATGGCAGCGCCACTGGTAGCAGGA    1433

RESULT 9  
545363-2/c

Patent No. 545363

APPLICANT: RUDOLPH, RAINER; FISCHER, STEPHAN; MATTES, RALF  
TITLE OF INVENTION: PROCESS FOR THE ACTIVATION OF T-PA OR  
ING AFTER GENETIC EXPRESSION IN PROKARYOTES

NUMBER OF SEQUENCES: 4

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/206,044

FILING DATE: 02-MAR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 942,370

FILING DATE: 09-SEP-1992

APPLICATION NUMBER: 498,500

FILING DATE: 23-MAR-1990

APPLICATION NUMBER: 76,207

FILING DATE: 23-OCT-1986

SEQ ID NO: 2

LENGTH: 3343

545363-2

Query Match

Best Local Similarity 94.4%; Score 353.4; DB 6; Length 3343;

Matches 388; Conservative 0; Mismatches 21; Indels 2; Gaps 2;

QY 1 GCAAAAACGAGAACCCGAGAAAGCCGCGGAGGCGCTTTTCCATAGGCTCCGCC 60

DB 3203 GCAAAAAGCCAGAGAACCCGAGAAAGCCGCTTTTCCATAGGCTCCGCC 3145

QY 61 CCCCTGAGAGATCAACAAATATGACGCTCAAGTCAAGAGAGTGGCAACCCGAGAGAC 120

DB 3144 CCCCTGAGAGATCAACAAATATGACGCTCAAGTCAAGAGAGTGGCAACCCGAGAGAC 3085

QY 121 T-TAAATATCAAG 179

DB 3084 TATAAAGATCAAG 3025

QY 180 TCCCGCTTACGAGATCAAG 239

DB 3024 TCCCGCTTACGAGATCAAG 2965

QY 240 GCTACGCTTACGAGATCAAG 299

DB 2964 GCTACGCTTACGAGATCAAG 2905

QY 300 ACAGACCCCGCTTACGAG 359

DB 2904 ACAGACCCCGCTTACGAG 2845

QY 360 ACCCGTAAGACAGACTTACGAG 410

DB 2844 ACCCGTAAGACAGACTTACGAG 2794

RESULT 10

US-08-944-916-12

Sequence 12, Application US/08944916

Patent No. 5948622

GENERAL INFORMATION:

APPLICANT: Reznikoff, William S

APPLICANT: Goryshin, Igor Y

APPLICANT: Zhou, Hong

TITLE OF INVENTION: System for In Vitro Transposition

NUMBER OF SEQUENCES: 13

CORRESPONDENCE ADDRESS:

ADDRESS: Quarles & Brady

STREET: 1 South Pinckney Street

CITY: Madison

STATE: WI

COUNTRY: USA

ZIP: 53703

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/944,916

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/814,877

FILING DATE: 09-SEP-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/850,880

FILING DATE: 02-MAY-1997

ATTORNEY/AGENT INFORMATION:

NAME: Berson, Bennett J

REGISTRATION NUMBER: 37094

REFERENCE/DOCKET NUMBER: 960296,94916

TELECOMMUNICATION INFORMATION:

TELEPHONE: 608/251-5000

TELEFAX: 608-251-9166

INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:

LENGTH: 3418 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: circular

MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "Plasmid pR27075"

US-08-944-916-12

Query Match

Best Local Similarity 94.4%; Score 353.4; DB 2; Length 3418;

Matches 388; Conservative 0; Mismatches 21; Indels 2; Gaps 2;

QY 1 GCAAAAACGAGAACCCGAGAAAGCCGCGGAGGCGCTTTTCCATAGGCTCCGCC 60

DB 1551 GCAAAAAGCCAGAGAACCCGAGAAAGCCGCTTTTCCATAGGCTCCGCC 1609

QY 61 CCCCTGAGAGATCAACAAATATGACGCTCAAGTCAAGAGAGTGGCAACCCGAGAGAC 120

DB 1610 CCCCTGAGAGATCAACAAATATGACGCTCAAGTCAAGAGTGGCAACCCGAGAGAC 1669

QY 121 T-TAAATATCAAG 179

DB 1670 TATAAAGATCAAG 1729

QY 180 TCCCGCTTACGAGATCAAG 239

DB 1730 TCCCGCTTACGAGATCAAG 1789

QY 240 GCTACGCTTACGAGATCAAG 299

DB 1790 GCTACGCTTACGAGATCAAG 1849

QY 300 ACAGACCCCGCTTACGAG 359

DB 1850 ACAGACCCCGCTTACGAG 1909

QY 360 ACCCGTAAGACAGACTTACGAG 410

DB 1910 ACCCGTAAGACAGACTTACGAG 1960

RESULT 11

US-09-058-483-9

Sequence 9, Application US/09058483A

Patent No. 636347

GENERAL INFORMATION:

APPLICANT: Murray, Andrew W.

APPLICANT: Smith, Dana L.

APPLICANT: Sorger, Peter K.

APPLICANT: No. 6365347man, Ther C.  
TITLE OF INVENTION: METHODS FOR IDENTIFYING DISRUPTORS OF BIOLOGICAL  
FILE OF INVENTION: PATHWAYS USING GENETIC SELECTION  
FILE REFERENCE: 30432.1US11  
CURRENT APPLICATION NUMBER: US/09/058,483A  
CURRENT FILING DATE: 1998-04-10  
EARLIER APPLICATION NUMBER: 08/835,727  
EARLIER FILING DATE: 1997-04-11  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 9  
LENGTH: 3516  
TYPE: DNA  
ORGANISM: nucleic acid sequence of pSF248 plasmid  
US-09-058-483-9

Query Match 80.7%; Score 353.4; DB 4; Length 3516;  
Best Local Similarity 94.4%; Pred. No. 2,2e-108;  
Matches 388; Conservative 0; Mismatches 21; Indels 2; Gaps 2;

QY 1 GCAAAAACGAGAGACCCAGAAAAGGCGCGCGAGAGCGCTTTTCCATTAGGCTCCGCC 60  
DB 1650 GCAAAAAGCCAGAGAACCGTAAAGAGCGCGCTTGTGCGCG-TTTTCCATTAGGCTCCGCC 1708  
QY 61 CCCCTGACGAGCATCAAAAATGAGAGCTCAAGTCAAGAGTGGCGAAACCCGAGAGAC 120  
DB 1709 CCCCTGACGAGCATCAAAAATGAGAGCTCAAGTCAAGAGTGGCGAAACCCGAGAGAC 1768  
QY 121 T-TAAAGATACGAGGCTTCCCGCGAGACTCCCTGTCGCTGCTCTGTCGAGACC 179  
DB 1769 T-TAAAGATACGAGGCTTCCCGCGAGACTCCCTGTCGCTGCTCTGTCGAGACC 1828  
QY 180 TCGCGCTTACCGGATACCTCTCCGCTTCTCCCTGCGGAGAGGCGGCTTCTCATTA 239  
DB 1829 TCGCGCTTACCGGATACCTCTCCGCTTCTCCCTGCGGAGAGGCGGCTTCTCATTA 1888  
QY 240 GCTACGCTGTGTGATCTCAAGTTCGTTGAGTGGTGGTCCCAAGCTGGGCTGTGTC 239  
DB 1889 GCTACGCTGTGTGATCTCAAGTTCGTTGAGTGGTGGTCCCAAGCTGGGCTGTGTC 1948  
QY 300 ACGAACCCCGCTTACGCGAGACACTGCGCTTATCCGTAACCTATCCCTTGAAGCCA 359  
DB 1949 ACGAACCCCGCTTACGCGAGACACTGCGCTTATCCGTAACCTATCCCTTGAAGCCA 2008  
QY 360 ACCGCTAAGACAGACTTACGCCCATGCGAGACGACATTGGTAACATA 410  
DB 2009 ACCGCTAAGACAGACTTATCGCACTGCGAGACGACCACTGGTAACAGGA 2059

RESULT 12  
US-09-235-246-20/c  
Sequence 20, Application US/09235246A  
Patent No. 6048719  
GENERAL INFORMATION:  
APPLICANT: Kong, HuiMin  
APPLICANT: Higgins, Lauren S.  
APPLICANT: Dalton, Michael A.  
TITLE OF INVENTION: Method For Cloning And Producing The DraIII Restriction  
FILE REFERENCE: DraIII  
CURRENT APPLICATION NUMBER: US/09/235,246A  
CURRENT FILING DATE: 1999-01-22  
NUMBER OF SEQ ID NOS: 21  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 20  
LENGTH: 3604  
TYPE: DNA  
ORGANISM: Deinococcus radiophilus  
US-09-235-246-20

Query Match 80.7%; Score 353.4; DB 3; Length 3604;  
Best Local Similarity 94.4%; Pred. No. 2.2e-108;  
Matches 388; Conservative 0; Mismatches 21; Indels 2; Gaps 2;

QY 1 GCAAAAACGAGAGACCCAGAAAAGGCGCGAGAGCGCTTTTCCATTAGGCTCCGCC 60  
DB 1862 GCAAAAAGCCAGAGAACCGTAAAGAGCGCGCTTGTGCGCG-TTTTCCATTAGGCTCCGCC 1804  
QY 61 CCCCTGACGAGCATCAAAAATGAGAGCTCAAGTCAAGAGTGGCGAAACCCGAGAGAC 120  
DB 1803 CCCCTGACGAGCATCAAAAATGAGAGCTCAAGTCAAGAGTGGCGAAACCCGAGAGAC 1744  
QY 121 T-TAAAGATACGAGGCTTCCCGCGAGACTCCCTGTCGCTGCTCTGTCGAGACC 179  
DB 1743 T-TAAAGATACGAGGCTTCCCGCGAGACTCCCTGTCGCTGCTCTGTCGAGACC 1864  
QY 180 TCGCGCTTACCGGATACCTCTCCGCTTCTCCCTGCGGAGAGGCGCTTCTCATTA 239  
DB 1863 TCGCGCTTACCGGATACCTCTCCGCTTCTCCCTGCGGAGAGGCGCTTCTCATTA 1624  
QY 240 GCTACGCTGTGTGATCTCAAGTTCGTTGAGTGGTGGTCCCAAGCTGGGCTGTGTC 239  
DB 1623 GCTACGCTGTGTGATCTCAAGTTCGTTGAGTGGTGGTCCCAAGCTGGGCTGTGTC 1564  
QY 300 ACGAACCCCGCTTACGCGAGACACTGCGCTTATCCGTAACCTATCCCTTGAAGCCA 359  
DB 1563 ACGAACCCCGCTTACGCGAGACACTGCGCTTATCCGTAACCTATCCCTTGAAGCCA 1504  
QY 360 ACCGCTAAGACAGACTTACGCCCATGCGAGACGACATTGGTAACATA 410  
DB 1503 ACCGCTAAGACAGACTTATCGCACTGCGAGACGACCACTGGTAACAGGA 1453

RESULT 13  
US-08-148-675A-1/c  
Sequence 1, Application US/08148675A  
Patent No. 5506121  
GENERAL INFORMATION:  
APPLICANT: Skerita, Arne; Schmidt, Thomas  
TITLE OF INVENTION: FUSION PEPTIDES WITH BINDING ACTIVITY FOR  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pelfe & Lynch  
CITY: New York City  
STATE: New York City  
COUNTRY: USA  
ZIP: 10022  
COMPUTER READABLE FORM:  
MEDIUM TYPE: diskette, 5.25 inch, 360 kb storage  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: WordPerfect  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/148,675A  
FILING DATE: 3-NOV-1993  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: DE 42 37 113.9  
FILING DATE: 03-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Tsai, Christine H.  
REGISTRATION NUMBER: 34,266  
REFERENCE/DOCKET NUMBER: HUBR 1041  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 688-9200  
TELEFAX: (212) 838-3884  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3664 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-148-675A-1

QY	1	GC	AAAAAAAAAGAGAGACCCAGAGAAAGCCGCGCGGAGAGCGCTTTTTCATAGAGCTCGCC	60
Db	3524	GC	AAAAAGCCAGAGAACCTGTAAAAAGCCGCGTGTGCGC-TTTTTCATAGAGCTCGCC	3466
QY	61	CC	CGTAGAGAGCATATCCAAATAATGAGGCTCAAGTCAGAGGTGGCAAAACCCGACAGAC	120
Db	3465	CC	CTCTGAGAGGACATCAAAAATATGAGGCTCAAGTCAGAGGTGGCAAAACCCGACAGAC	3406
QY	121	T	-TAAAGTACACAGGCGTTTCCCGCGGAAAGTCCCTCAGCGCTCTCCTGTTCACAGCC	179
Db	3405	T	ATAAGTACACAGGCGTTTCCCGCGGAAAGTCCCTCAGCGCTCTCCTGTTCACAGCC	3346
QY	180	TG	CGCGTTACCGGATATCTCTCGCGCTTCTCCCTTGCGAAGCGTGGCGCTTTCATATA	239
Db	3345	TG	CGCGTTACCGGATATCTCTCGCGCTTCTCCCTTGCGGAAACGCTGGCGCTTTCATATA	3286
QY	240	GC	TACAGCTGTGTGATCTCATCTAGTTCGAGTGTAGTGTGTCCGTCGAAGCTGGCGTGTGTC	299
Db	3285	GC	TACAGCTGTGTGATCTCATCTAGTTCGAGTGTAGTGTGTCCGTCGAAGCTGGCGTGTGTC	3226
QY	300	AG	GAACCCCGCGTTACGCCGACACACTGCGGCTTATCCGTTAACTATGCTTGAATGCA	359
Db	3225	AG	GAACCCCGCGTTACGCCGACACACTGCGGCTTATCCGTTAACTATGCTTGAATGCA	3166
QY	360	AC	CGCGTAAACACACACTTTTACGCACTGGACAGCAATGGTGTAAACGAA	410
Db	3165	AC	CGCGTAAACACACACTTATCGGCACATGGACAGCAATGGTGTAAACGAA	3115

RESULT 14  
US-08-053-131-120  
Sequence 120, Application US/08053131  
Patent No. 5661016  
GENERAL INFORMATION:  
APPLICANT: Lomborg, Nils  
APPLICANT: Kay, Robert M.  
TITLE OF INVENTION: Transgenic No. 5661016-Human Animals for  
NUMBER OF INVENTION: Producing Heterologous Antibodies  
NUMBER OF SEQUENCES: 197  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend Hourie and Crew  
STREET: One Market Place, Stewart Tower, Suite 200  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94105  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Piletein Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/053,131  
FILING DATE: 26-APR-1993  
CLASSIFICATION: 800  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/990,860  
FILING DATE: 16-DEC-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/810,279  
FILING DATE: 17-DEC-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/853,408  
FILING DATE: 18-MAR-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Smith, William M.  
REGISTRATION NUMBER: 30,223  
REFERENCE/DOCKET NUMBER: 14643-9-3  
TELECOMMUNICATION INFORMATION:

```

: TELEPHONE: 415-326-2400
: TELEFAX: 415-326-2422
: INFORMATION FOR SEQ ID NO: 130:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 3699 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: OS-08-053-131-120

```

	Query Match	Similarity	90.7%	Score	353.4	DB 1	Length	36599
	Best Local	Similarity	94.4%	Pred	No. 2.2e-108			
	Matches	388	Conservative	0	Mismatches	21	Indels	2
								Gaps
QY	1	GCAGAAAACGAGAACCCGAGAAAAGGCGCGCGAGGCGCTTTTTCATAGAGCTCCGCC	60					
Db	1832	GCAGAAAAGCGAGGACCCCTATAAAAAGGCGCGCTTTTTCATAGAGCTCCGCC	1891					
QY	61	CGCCGTGACGAGCATATCAAAAATGACGCTCAATGCAAGAGTGGGAAAACCGACAGAC	120					
Db	1891	CGCCGTGACGAGCATATCAAAAATGACGCTCAATGCAAGAGTGGGAAAACCGACAGAC	1950					
QY	121	T-TAAAGATACGAGCGCTTTCGCCCGGAGAGTCCGTCGCTGCTCCGTGTCAGAGC	179					
Db	1951	TATTAAGATACGAGCGCTTTCGCCCGGAGAGTCCGTCGCTGCTCCGTGTCAGAGC	2011					
QY	180	TGCGCGTTACCGGATACCTCTCGCGCTTTCTCCCTTCGGGAAACGTGGCGCTTTCAT	239					
Db	2011	TGCGCGTTACCGGATACCTCTCGCGCTTTCTCCCTTCGGGAAACGTGGCGCTTTCAT	2076					
QY	240	GCTACGCTCTTGATATCTAGTTGCGGTGATAGCTGCTTCGCTCAAGCTGGGCTGTGCTG	299					
Db	2071	GCTACGCTCTTGATATCTAGTTGCGGTGATAGCTGCTTCGCTCAAGCTGGGCTGTGCTG	2130					
QY	300	ACGAGACCCCGCTTCAGCCGACACACTGGCGCTTATCCGCTAACTATGCTTTAGTCA	359					
Db	2131	ACGAGACCCCGCTTCAGCCGACACACTGGCGCTTATCCGCTAACTATGCTTTAGTCA	2190					
QY	360	ACCGCGTAAAGACAGACTTTTACGCACTGGACAGACGCATGCTAACTGAA	410					
Db	2191	ACCGCGTAAAGACAGACTTTTACGCACTGGACAGACGCATGCTAACTGAA	2241					

RESULT 15  
 US-08-645-641-120  
 Sequence 120, Application US/08645641  
 Patent No. 5719032  
 GENERAL INFORMATION:  
 APPLICANT: Lombey, Nils  
 APPLICANT: Kay, Robert M.  
 TITLE OF INVENTION: Transgenic No. 5719032-Human Animals for  
 TITLE OF INVENTION: Producing Heterologous Antibodies  
 NUMBER OF SEQUENCES: 150  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: William M. Smith  
 STREET: Two Embarcadero Center, 8th Floor  
 CITY: San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94111-3834  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/645,641  
 FILING DATE: 20-MAY-1996  
 CLASSIFICATION: 800  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/904,068  
 FILING DATE: 23-JUN-1992



Mon May 12 09:25:39 2003

us-09-409-800b-3\_\_copy\_2389\_2826.rni

Page 9

ATTORNEY/AGENT INFORMATION:  
NAME: Smith, William M.  
REGISTRATION NUMBER: 30,223  
REFERENCE/DOCKET NUMBER: 14643-000913  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-326-2400  
TELEFAX: 415-326-2422  
INFORMATION FOR SEQ ID NO: 120:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3699 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-08-645-641-120

Query Match	80.7%;	Score 353.4;	DB 1;	Length 3699;
Best Local Similarity	94.4%;	Pred. No. 2.2e-108;		
Matches 388; Conservative	0;	Mismatches 21;	Indels 2;	Gaps 2;

QY	1	GCAGAAAACAGAAACCCAGAGAAAGCCGCGCCGAGAGCCGCTTTTTCATATGAGCTCCGCG	60
Db	1832	GCAAAAGGCCAGGAACCGCTAATAAAAGCGCGCTGTGTGGCG-TTTTTCATATGCTCCGCG	1890
QY	61	CCCGTCAGCGACTCATCAAAATTCGACGCTCATATGCTAGAGATGCGGAAACCCGACAGGAC	120
Db	1891	CCCGTCAGCGACTCATCAAAATTCGAGCTCATATGCTAGAGATGCGGAAACCCGACAGGAC	1950
QY	121	T-TAAGATACAGAGCGCTTCCCGCCGGAAGTCCCTCGGCGCTCTCTGTTCCGACCC	179
Db	1951	TATAAATATACAGAGCGCTTCCCGCCGGAAGTCCCTCGGCGCTCTCTGTTCCGACCC	2010
QY	180	TCCGCGTTACCGGATATACCTCTCGCGCTTCCTCCCTTCGGAAGACGCTGCGCTTTTCGATA	239
Db	2011	TCCGCGTTACCGGATATACCTCTCGCGCTTCCTCCCTTCGGAAGACGCTGCGCTTTTCGATA	2070
QY	240	GCTACGCTTTGGTATCTCAGTTCGCTGAGTTCGTTCCCTCCGACGCTGGGCTGTGTC	299
Db	2071	GCTACGCTTTGGTATCTCAGTTCGCTGAGTTCGTTCCCTCCGACGCTGGGCTGTGTC	2130
QY	300	ACGAGACCCCGCTTAGCGCCGACCACTGCGGCTTATCGGTAACATATGCTTGGATGCA	359
Db	2131	ACGAGACCCCGCTTAGCGCCGACCGAGCGCTTATCGGTAACATATGCTTGGATGCA	2190
QY	360	ACCGGTAATACAGCACTTTATCGCACTGGCAGCAGCCATTTGGTATCGAA	410
Db	2191	ACCGGTAATACAGCACTTTATCGCACTGGCAGCAGCCATTTGGTATCGAA	2241

Search completed: May 9, 2003, 12:03:17  
Job time : 57 secs

GenCore version 5.1.4.p5.4578  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: May 9, 2003, 11:59:40 ; Search time 136 seconds  
(without alignments)  
4002.241 Million cell updates/sec

Title: US-09-409-800b-3\_COPY\_2389\_2826

Sequence: 1 gcaaaaacgaagaccacccag.....ttagatagcgaactcttg 438

Scoring table: IDENTITY\_NUC  
Gapop 10.0, Gapext 1.0

Searched: 783854 seqs, 621352466 residues

Total number of hits satisfying chosen parameters: 1567708

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications.NA.\*  
1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq.\*  
2: /cgn2\_6/ptodata/2/pubpna/PC1\_NEW\_PUB.seq.\*  
3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq.\*  
4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq.\*  
5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq.\*  
6: /cgn2\_6/ptodata/2/pubpna/PCUS\_PUBCOMB.seq.\*  
7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq.\*  
8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq.\*  
9: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq.\*  
10: /cgn2\_6/ptodata/2/pubpna/US09\_PUBCOMB.seq.\*  
11: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq.\*  
12: /cgn2\_6/ptodata/2/pubpna/US10\_PUBCOMB.seq.\*  
13: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq.\*  
14: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	361.2	82.5	5713	9 US-09-966-976A-5	Sequence 5, Appli
2	361.2	82.5	5713	10 US-09-963-206B-5	Sequence 5, Appli
3	357.4	80.7	491	10 US-09-878-574-4465	Sequence 4465, Ap
4	357.4	80.7	519	10 US-09-815-242-1085	Sequence 1085, Ap
5	357.4	80.7	521	10 US-09-815-242-1085	Sequence 1085, Ap
6	357.4	80.7	578	10 US-09-815-242-1072	Sequence 1072, Ap
7	357.4	80.7	579	10 US-09-815-242-1066	Sequence 1066, Ap
8	357.4	80.7	579	10 US-09-815-242-1093	Sequence 1093, Ap
9	357.4	80.7	699	10 US-09-878-574-4813	Sequence 4813, Ap
10	357.4	80.7	706	9 US-09-764-868-1383	Sequence 1383, Ap
11	357.4	80.7	706	9 US-09-764-868-1388	Sequence 8688, Ap
12	357.4	80.7	1796	9 US-09-764-868-1380	Sequence 1380, Ap
13	357.4	80.7	1953	9 US-09-764-891-8685	Sequence 8685, Ap
14	357.4	80.7	2192	10 US-09-974-300-6091	Sequence 6091, Ap
15	357.4	80.7	2192	9 US-10-021-403A-10	Sequence 10, Appli
16	357.4	80.7	2212	9 US-09-764-891-5577	Sequence 5577, Ap
17	357.4	80.7	2212	9 US-09-764-891-5607	Sequence 5607, Ap
18	357.4	80.7	2213	9 US-09-764-868-1456	Sequence 1456, Ap
19	357.4	80.7	2213	9 US-09-764-868-1462	Sequence 1462, Ap

c 20	353.4	80.7	2213	9 US-09-764-891-5570	Sequence 5570, Ap
c 21	353.4	80.7	2213	9 US-09-764-891-5600	Sequence 5600, Ap
c 22	353.4	80.7	2297	9 US-09-891-865A-11	Sequence 11, Appli
c 23	353.4	80.7	2570	10 US-09-836-737A-1	Sequence 1, Appli
c 24	353.4	80.7	2839	10 US-09-809-517A-36	Sequence 36, Appli
c 25	353.4	80.7	3031	9 US-09-891-865A-12	Sequence 12, Appli
c 26	353.4	80.7	3128	9 US-09-891-865A-13	Sequence 13, Appli
c 27	353.4	80.7	3190	9 US-10-024-809-6	Sequence 6, Appli
c 28	353.4	80.7	3277	12 US-10-007-483-8	Sequence 8, Appli
c 29	353.4	80.7	3311	9 US-09-797-496B-4	Sequence 3, Appli
c 30	353.4	80.7	3355	9 US-09-797-496B-4	Sequence 4, Appli
c 31	353.4	80.7	3383	9 US-09-891-865A-3	Sequence 3, Appli
c 32	353.4	80.7	3444	9 US-09-891-865A-1	Sequence 1, Appli
c 33	353.4	80.7	3544	9 US-10-021-403A-9	Sequence 9, Appli
c 34	353.4	80.7	3637	9 US-10-066-030-3	Sequence 3, Appli
c 35	353.4	80.7	3637	9 US-10-066-030-3	Sequence 4, Appli
c 36	353.4	80.7	3637	12 US-10-066-390-4	Sequence 3, Appli
c 37	353.4	80.7	3637	12 US-10-066-390-4	Sequence 4, Appli
c 38	353.4	80.7	3662	9 US-10-001-189-41	Sequence 41, Appli
c 39	353.4	80.7	3768	10 US-09-392-462-1	Sequence 1, Appli
c 40	353.4	80.7	3768	10 US-09-392-462-1	Sequence 1, Appli
c 41	353.4	80.7	3796	9 US-10-127-391-32	Sequence 32, Appli
c 42	353.4	80.7	3859	9 US-09-813-453A-76	Sequence 76, Appli
c 43	353.4	80.7	3881	9 US-10-000-433-1	Sequence 1, Appli
c 44	353.4	80.7	3934	9 US-09-813-453A-77	Sequence 77, Appli
c 45	353.4	80.7	3934	9 US-09-891-865A-14	Sequence 14, Appli

## ALIGNMENTS

RESULT 1  
US-09-966-976A-5  
Sequence 5, Application US/09966576A  
Patent No. US20020168649A1  
GENERAL INFORMATION:  
APPLICANT: Ferrick, David A.  
APPLICANT: Swift, Susan E.  
APPLICANT: Armstrong, Randall  
APPLICANT: Fox, Bryan  
TITLE OF INVENTION: Methods and Compositions for Screening for Modulators and Ige  
FILE REFERENCE: A-66038-4/RMS/STD/DIR  
CURRENT APPLICATION NUMBER: US/09/966,976A  
PRIORITY FILING DATE: 2001-09-27  
PRIOR APPLICATION NUMBER: US 09/076,624  
PRIOR FILING DATE: 1998-05-12  
NUMBER OF SEQ ID NOS: 19  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 5  
LENGTH: 5713  
TYPE: DNA  
ORGANISM: Artificial sequence  
FEATURE:  
OTHER INFORMATION: synthetic  
US-09-966-976A-5  
Query Match 82.5%; Score 361.2; DB 9; Length 5713;  
Best Local Similarity 94.1%; Pred. No 8.7e+115;  
Matches 386; Conservative 0; Mismatches 23; Indels 1; Gaps 1;  
Db 1 GCAAAAACGAAGACCCGAGAGCCGCGAGCGCTTTTCCATAGAGCTCCGCC 60  
GCAAAAACGAAGACCCGAGAGCCGCGAGCGCTTTTCCATAGAGCTCCGCC 60  
Db 3974 GCAAAAACGAAGACCCGAGAGCCGCGAGCGCTTTTCCATAGAGCTCCGCC 4032  
Cc 61 CCGCTGAGAGACATCAACAAATGACGCTCAAGTACAGAGTGGGAGAACCCGACGAGAC 120  
Cc 4033 CCGCTGAGAGACATCAACAAATGACGCTCAAGTACAGAGTGGGAGAACCCGACGAGAC 4032  
Cc 121 TTAAGATACACGAGCTTTCCCGGAGAGCTCCCTGCGCTCTCTCTGCGAGACCT 180  
Cc 4093 TAAAGATACACGAGCTTTCCCGGAGAGCTCCCTGCGCTCTCTCTGCGAGACCT 4152



; APPLICANT: Haselbeck, Robert  
 ; APPLICANT: Ohlsen, Kari L.  
 ; APPLICANT: Zyskind, Judith W  
 ; APPLICANT: Wall, Daniel  
 ; APPLICANT: Trawick, John D.

APPLICANT: Haselbeck, Robert  
APPLICANT: Ohlsen, Kari L.  
APPLICANT: Zyskind, Judith W.  
APPLICANT: Wall, Daniel  
APPLICANT: Trawick, John D.

```

; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1072
; LENGTH: 578
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
; US-09-815-242-1072

```

```

Query Match      80.7%; Score 353.4; DB 10; Length 578;
Best Local Similarity 94.4%; Pred. No. 2.1e-112;
Matches 388; Conservative 0; Mismatches 21; Indels 2; Gaps 2;

```

```

QY 1 GCAAAAACGAGAACCCGAGAAAGGCGCGGAGAGGCGCTTTTCCATAGGCTCCGCC 60
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 422 GCAAAAGGCGAGAACCGTAAGAGCGCGCTTGTGCGG-TTTTCCATAGGCTCCGCC 364
QY 61 CCCCTGAGAGCATCAAAAATGAGCTCAAGTCAGTCAAGTGGCGAAACCCGAGAGAC 120
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 363 CCCCTGAGAGCATCAAAAATGAGCTCAAGTCAGTCAAGTGGCGAAACCCGAGAGAC 304
QY 121 T-TAAAGATACAGAGGCTTCCCGCGAGATCCCTCGTCCGCTCCGTTCCGAGCC 179
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 303 TTTAAAGATACAGAGGCTTCCCGCGAGATCCCTCGTCCGCTCCGTTCCGAGCC 244
QY 180 TCGCGCTTACCGGATACCTCTCCGCTTCTCCCTTCCGGAAGCGGCGCTTCCGATA 239
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 243 TCGCGCTTACCGGATACCTCTCCGCTTCTCCCTTCCGGAAGCGGCGCTTCCGATA 184
QY 240 GCTCAGCTGTGTGATCTCAGCTTCGCTGAGTGGCTGCTCCAGCTGGGCTGTGTC 299
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 183 GCTCAGCTGTGTGATCTCAGCTTCGCTGAGTGGCTGCTCCAGCTGGGCTGTGTC 124
QY 300 ACGAACCCTCCGCTTACGCCAGACATCGCTTATCCGTAATCCGTTGAGTCCA 359
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 123 ACGAACCCTCCGCTTACGCCAGACATCGCTTATCCGTAATCCGTTGAGTCCA 64
QY 360 ACCCGGTAAAGACAGACTTTACGCCATGCGAGACCATTTGTAATGAA 410
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 63 ACCCGGTAAAGACAGACTTTACGCCATGCGAGACCATTTGTAATGAA 13

```

```

RESULT 7
; US-09-815-242-1066/c
; Sequence 1066, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl E.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.

```

```

; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 579
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
; US-09-815-242-1066

```

```

Query Match      80.7%; Score 353.4; DB 10; Length 579;
Best Local Similarity 94.4%; Pred. No. 2.1e-112;
Matches 388; Conservative 0; Mismatches 21; Indels 2; Gaps 2;

```

```

QY 1 GCAAAAACGAGAACCCGAGAAAGGCGCGGAGAGGCGCTTTTCCATAGGCTCCGCC 60
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 422 GCAAAAGGCGAGAACCGTAAGAGCGCGCTTGTGCGG-TTTTCCATAGGCTCCGCC 364
QY 61 CCCCTGAGAGCATCAAAAATGAGCTCAAGTCAGTCAAGTGGCGAAACCCGAGAGAC 120
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 363 CCCCTGAGAGCATCAAAAATGAGCTCAAGTCAGTCAAGTGGCGAAACCCGAGAGAC 304
QY 121 T-TAAAGATACAGAGGCTTCCCGCGAGATCCCTCGTCCGCTCCGTTCCGAGCC 179
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 303 TTTAAAGATACAGAGGCTTCCCGCGAGATCCCTCGTCCGCTCCGTTCCGAGCC 244
QY 180 TCGCGCTTACCGGATACCTCTCCGCTTCTCCCTTCCGGAAGCGGCGCTTCCGATA 239
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 243 TCGCGCTTACCGGATACCTCTCCGCTTCTCCCTTCCGGAAGCGGCGCTTCCGATA 184
QY 240 GCTCAGCTGTGTGATCTCAGCTTCGCTGAGTGGCTGCTCCAGCTGGGCTGTGTC 299
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 183 GCTCAGCTGTGTGATCTCAGCTTCGCTGAGTGGCTGCTCCAGCTGGGCTGTGTC 124
QY 300 ACGAACCCTCCGCTTACGCCAGACATCGCTTATCCGTAATCCGTTGAGTCCA 359
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 123 ACGAACCCTCCGCTTACGCCAGACATCGCTTATCCGTAATCCGTTGAGTCCA 64
QY 360 ACCCGGTAAAGACAGACTTTACGCCATGCGAGACCATTTGTAATGAA 410
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 63 ACCCGGTAAAGACAGACTTTACGCCATGCGAGACCATTTGTAATGAA 13

```

```

RESULT 8
; US-09-815-242-1083/c
; Sequence 1083, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl E.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.

```

```

; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; TITLE OF INVENTION: Identification of Essential Genes in
; TITLE OF INVENTION: Prokaryotes
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1083
; LENGTH: 579
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-815-242-1083
```

```

Query Match      80.7%; Score 353.4; DB 10; Length 579;
Best Local Similarity 94.4%; Pred. No. 2.1e-112;
Matches 388; Conservative 0; Mismatches 21; Indels 2; Gaps 2;
```

```

QY 1 GCAAAAAGCAGAACCCGAGAAAAGCCGCGCGCGCTTTTCCATAGGCTCCGCC 60
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 422 GCAAAAAGCAGAACCCGAGAAAAGCCGCGCGCTTTTCCATAGGCTCCGCC 364
QY 61 CCCCTGACGAGCATACAAAATGACGCTCAAGTCAGAGTGGGAAAACCGACAGAC 120
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 363 CCCCTGACGAGCATACAAAATGACGCTCAAGTCAGAGTGGGAAAACCGACAGAC 304
QY 121 T-TAAGATACGAGCGCTTCCCGGAGAGCTCCCTCGAGCTCTCTCTTCCGACC 179
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 303 TATTAAGATACGAGCGCTTCCCGGAGAGCTCCCTCGAGCTCTCTCTTCCGACC 244
QY 180 TGGCGCTACGCGGATACCTCGCGCTTCCCGGAGAGCTCCCTCGAGCTCTCTCT 239
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 243 TGGCGCTACGCGGATACCTCGCGCTTCCCGGAGAGCTCCCTCGAGCTCTCTCT 184
QY 240 GCTACGCTGTGTATCTCAGTTCGGTGTAGTCTGCTTCCTCCAGCTGGGCTGTGTC 299
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 183 GCTACGCTGTGTATCTCAGTTCGGTGTAGTCTGCTTCCTCCAGCTGGGCTGTGTC 124
QY 300 ACGAAGCCCCGCTGACGCGGACCACTGCGCTTATCCGCTACATCTGTATGACCA 359
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 123 ACGAAGCCCCGCTGACGCGGACCACTGCGCTTATCCGCTACATCTGTATGACCA 64
QY 360 ACCGGGTAAAGACAGACTTACCGCACTGGCAGAGACCCATGTGTAAGTAA 410
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 63 ACCGGGTAAAGACAGACTTACCGCACTGGCAGAGACCCATGTGTAAGTAA 13
```

RESULT 9  
US-09-878-574-4813

; Sequence 4813; Application US/09878574

; Patent No. US20020110548A1

; GENERAL INFORMATION:

; APPLICANT: BYTum, Joseph R.

; APPLICANT: La Rosa, Thomas J.

; APPLICANT: Thompson, Michael D.

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
; TITLE OF INVENTION: Plants

```

; FILE REFERENCE: 38-21(15401)B
; CURRENT APPLICATION NUMBER: US/09/878,574
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 09/353,535
; PRIOR FILING DATE: 1999-06-14
; NUMBER OF SEQ ID NOS: 15775
; SEQ ID NO 4813
; LENGTH: 699
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(699)
; OTHER INFORMATION: unsure at all n locations
; OTHER INFORMATION: Clone ID: LIB3028-049-Q1-B1-C3
US-09-878-574-4813
```

```

Query Match      80.7%; Score 353.4; DB 10; Length 699;
Best Local Similarity 94.4%; Pred. No. 2.2e-112;
Matches 388; Conservative 0; Mismatches 21; Indels 2; Gaps 2;
```

```

QY 1 GCAAAAAGCAGAACCCGAGAAAAGCCGCGCGCGCTTTTCCATAGGCTCCGCC 60
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 107 GCAAAAAGCAGAACCCGAGAAAAGCCGCGCGCTTTTCCATAGGCTCCGCC 165
QY 61 CCCCTGACGAGCATACAAAATGACGCTCAAGTCAGAGTGGGAAAACCGACAGAGAC 120
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 166 CCCCTGACGAGCATACAAAATGACGCTCAAGTCAGAGTGGGAAAACCGACAGAGAC 225
QY 121 T-TAAGATACGAGCGCTTCCCGGAGAGCTCCCTCGAGCTCTCTCTTCCGACC 179
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 226 TATTAAGATACGAGCGCTTCCCGGAGAGCTCCCTCGAGCTCTCTCTTCCGACC 285
QY 180 TGGCGCTACGCGGATACCTCGCGCTTCCCGGAGAGCTCCCTCGAGCTCTCTCT 239
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 286 TGGCGCTACGCGGATACCTCGCGCTTCCCGGAGAGCTCCCTCGAGCTCTCTCT 345
QY 240 GCTACGCTGTGTATCTCAGTTCGGTGTAGTCTGCTTCCTCCAGCTGGGCTGTGTC 299
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 346 GCTACGCTGTGTATCTCAGTTCGGTGTAGTCTGCTTCCTCCAGCTGGGCTGTGTC 405
QY 300 ACGAAGCCCCGCTGACGCGGACCACTGCGCTTATCCGCTACATCTGTATGACCA 359
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 406 ACGAAGCCCCGCTGACGCGGACCACTGCGCTTATCCGCTACATCTGTATGACCA 465
QY 360 ACCGGGTAAAGACAGACTTACCGCACTGGCAGAGACCCATGTGTAAGTAA 410
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 466 ACCGGGTAAAGACAGACTTACCGCACTGGCAGAGACCCATGTGTAAGTAA 516
```

RESULT 10  
US-09-764-868-1383

; Sequence 1383; Application US/09764868

; Patent No. US2002016871A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: PT232

; CURRENT APPLICATION NUMBER: US/09/764,868

; CURRENT FILING DATE: 2001-01-17

; Prior application data removed - refer to PALM or file wrapper

; NUMBER OF SEQ ID NOS: 1510

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 1383

; LENGTH: 706

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-764-868-1383

```

Query Match      80.7%; Score 353.4; DB 9; Length 706;
Best Local Similarity 94.4%; Pred. No. 2.2e-112;
Matches 388; Conservative 0; Mismatches 21; Indels 2; Gaps 2;
```

QY	1	GCAGAAAAGGAGGACCCCGACAAAAGGCGCGCGAGGAGGCGCTTTTCCATAGAGCTCCGCG	60
Dp	135	GCAGAAAAGGCGAGGACCGGTAAAGAGGCGCGCTGTCTGGGG-TTTTTCATAGAGCTCCGCG	19
QY	61	CCCTCAGCAGAGCATCACAAAATTCGACAGCTCATAGTCAGAGGTGGGAGAAACCCACAGAGAC	120
Dp	194	CCCTCAGCAGAGCATCACAAAATTCGAGGCTCATGTCAAGAGGTGGGAGAAACCCACAGAGAC	25
QY	121	T-TAAGATACCAAGGCTTTCCCCCGGAGAGCTCCTGATGCGCTTCGTTCGAGACC	175
Dp	254	TATTAAGATACCAAGGCTTTCCCCCGGAGAGCTCCTGATGCGCTTCGTTCGAGACC	310
QY	180	TGCGGCTTACCGAGTAACGTCGCGCTTCCTTCGCTCCGAGGAGAGGTGGGCGCTTTCATTA	235
Dp	314	TGCGGCTTACCGAGTAACGTCGCGCTTTCCTTCGCTCCGAGGAGAGGTGGGCGCTTTCATTA	370
QY	240	GCTCAGCGGTGTGGTATCTCAAGTTGCGGTAGTGTAGTGTGCTCCCAAGCTAGGCGTGTAGTC	295
Dp	374	GCTCAGCGGTGTGGTATCTCAAGTTGCGGTAGTGTAGTGTGCTCCCAAGCTAGGCGTGTAGTC	430
QY	300	ACGAAACCCCGGTTCAAGCCGACCACTGCGGCTTATCGGTAATCATGCTGTGAGTCCA	355
Dp	434	ACGAAACCCCGGTTCAAGCCGACCAAGCTGCGCTTATCGGTAATCATGCTGTGAGTCCA	490
QY	360	ACCGGTAAGACAGCATTTAAGCGACAGGAGAGACCATGTGTAATGAA	410
Dp	494	ACCGGTAAGACAGCATTTAAGCGACAGGAGAGACCATGTGTAATGAA	544

```

RESULT 11
US-09-764-891-8688/c
: Sequence 8688, Application US/09764891
: Publication No. US20030077808a1
: GENERAL INFORMATION:
: APPLICANT: Rosen et al.
: TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
: FILE REFERENCE: PC006
: CURRENT APPLICATION NUMBER: US/09/764,891
: CURRENT FILING DATE: 2001-01-17
: Prior application data removed - consult PAM or file wrapper
: NUMBER OF SEQ ID NOS: 10231
: SOFTWARE: PatentIn Ver. 2.0
: SEQ. ID NO. 8688
: LENGTH: 706
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-764-891-8688

```

Query Match	80.7%;	Score 353.4;	DB 9;	Length 706;
Best Local Similarity	94.4%;	Pred. No. 2.2e-112;		
Matches 388;	Conservative 0;	Mismatches 21;	Indels 2;	Gaps 2

QY	1	GGAAAAACGAAAGACCCCGAGAAAAGCGCGCGCGCGCGCTTTTTCATTAAGGCTCGGC	60
Db	572	GGAAAAAGGCCAGGACCGTAATAAAGCGCGCGCTTCTCGACG-TTTTTCATTAAGGCTCGGC	514
QY	61	CCCCGAGAGCATCAAAAAATCGAGCTCAAGTCAGAGGTGGCGAAACCGAGAGAC	120
Db	513	CCCCGAGAGCATCAAAAAATCGAGCTCAAGTCAGAGGTGGCGAAACCGAGAGAC	455
QY	121	T-TAAGATACAGGCGTTCCCGCGGAAGACCCCTGCGGCTCCGTCGTCGTCGACCC	179
Db	453	TATAAAGTAACAAGGCGTTTCCCGTGAAGCTCCCTGCGGCTCTCGTCGTCGACCC	394
QY	180	TGCGGCTTACCGATACCTTCGCGCTTTCCTCCGGAAGGAGGCGGCTTCTCATA	238
Db	393	TGCGGCTTACCGGATACCTTCGCGCTTTCCTCCGGAAGGAGGCGGCTTCTCATA	334
QY	240	GCTACAGCTTGTAATCTCAGTACGATGATAGTGGTTCGCTCAACATAGGCTGTGCG	299
Db	333	GCTACAGCTTGTAATCTCAGTACGATGATAGTGGTTCGCTCAACATAGGCTGTGCG	274
QY	300	ACGAACCCCCGTTCAAGCCCGACCACTGCGGCTTATCCGGTAACATGCTGTGAAGTCA	359

Qy	Dy
360 ACCCGGTAAACACAGACTTTACGCCACTGGACAGACCCATTGGTAACGAA 410	273 ACGAACCCCCCGTTACAGCCCGACCGCTGGCCGCTTAACCGGTAAATACGCTGAGATCCA 21
213 ACCCGGTAAACACAGACTTAATGGCCACTGGACAGACCCACTGGTAAACAGGA 163	

RESULT 12  
US-09-764-868-1380/c  
; Sequence 1380, Application US/09764868  
; Patent No. US2002016871A1  
; CENTRAL INFORMATION

```

? TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
? FILE REFERENCE: PT322
? CURRENT APPLICATION NUMBER: US/09/764,868
? CURRENT FILING DATE: 2001-01-17
? Prior application data removed - refer to PALM or file wrapper
? NUMBER OF SEQ ID NOS: 1510
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 1380
? LENGTH: 1796
? TYPE: DNA
? ORGANISM: Homo sapiens
? US-09-764-868-1380

```

Query Match	80.78;	Score 353.4;	DB 9;	Length 1796;
Best Local Similarity	94.48;	Pred. No. 3e-112;		
Matches 388; Conservative	0;	Mismatches 21;	Indels 2;	Gaps 2

QY	1	GCAGAAAACGAGAGACCCCGAGAAAAGCCGCGCGAGAGGCGCTTTTTCATATGAGTCTCGGC	60
Db	1656	GCAGAAAGCCAGGAACGCTAAAAAGGCCGCGTGTGTGGC-TTTTTTCATATGAGTCTCGGC	1598
QY	61	CCCGCTGACGAGCATACAAAAATCGACGCTCAATCGAGAGTGTGGGAAACCCGACAGGAC	120
Db	1597	CCCGCTGACGAGCATACAAAAATCGACGCTCAATCGAGAGTGTGGGAAACCCGACAGGAC	1538
QY	121	T-TAAGATACGAGCGTTTCCCGCGGAAAGTCCCTCGTGGCGTCTCTGTTCCGACCC	179
Db	1537	TATATAATATACGAGCGTTTCCCGCGGAAAGTCCCTCGTGGCGTCTCTGTTCCGACCC	1478
QY	180	TGCGCGTTACCGGATACCTCTCGCGCTTCCTCCCTCCCTCCGAGGAAGCGTGGCGCTTTCATTA	239
Db	1477	TGCGCGTTACCGGATACCTCTCTCGCGCTTTCCTCCCTCCCTCCGAGGAAGCGTGGCTTTCATTA	1418
QY	240	GCTACGCTGTGTGTAATCATGTTGCGGTGTGAGTGTTCCTCTCAAGCTGGGCTGTGTGC	299
Db	1417	GCTACGCTGTGTGTAATCATGTTGCGGTGTGAGTGTTCCTCTCAAGCTGGGCTGTGTGC	1358
QY	300	ACGAAACCCCGCTGTAGCGCGACCACTGGCGCTTATCCGTTACATCATGTTGATGTCA	359
Db	1357	ACGAAACCCCGCTGTAGCGCGACCACTGGCGCTTATCCGTTACATCATGTTGATGTCA	1298
QY	360	ACCGGTAAGACAGACCTTTATCCGCACTGGACAGACGCACTTGGTAATGAA 410	
Db	1297	ACCGGTAAGACAGACCTTTATCCGCACTGGACAGACGCACTTGGTAATGAA 1247	

```

RESULT 13
US-09-764-8685/c
; Sequence 8685, Application US/09764891
; Publication No. US2003007808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: FC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALT or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0

```

61 CCCCTGACGACATCAAAAATCGACGGCTTCAGTCAGAGGTGGCGAAACCCGACAGGAC 120  
|||||

QY 300 ACGAACCCTCCGTTAGGCCGACCACTGGCGCTTATCCGGTAATACTCTTTGAGTGCA 359  
|||  
Db 744 ACGAACCCCCCGTTAGGCCGACCGCTGGCCCTTATCCGGTAATACTCTTTGAGTGCA 803



Mon May 12 09:25:40 2003

us-09-409-800b-3\_copy\_2389\_2826.rnpb

Page 8

OY 360 ACCGGTAGACAGCACTTACGCCACCTGGCAGCAGCATTTGGTAAGTGA 410  
|||||  
DB 804 ACCGGTAGACAGCACTTATCGCCACTGGCAGCAGCAGCATTTGGTAACAGGA 854  
|||||

Search completed: May 9, 2003, 13:01:25  
JOB time : 148 secs